

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	7997	345/156,157,158.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 12:59
L2	8959	345/173-179.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 12:59
L3	689	715/863.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 12:59
L14	0	"2003151596" and "5369227".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 13:06
L18	66699	wii	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 13:06
L19	111919	"345".clas.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 13:06
L21	6268	nintendo	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 13:06

L22	730	L19 and L21	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 13:06
L23	7079	345/179,156.cds.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 13:06
L24	205	L23 and L22	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 13:06
L25	3709	nintendo.as.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 13:06
L26	25	L25 and L23	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 13:06
L27	2118	345/179.cds.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 13:06
L28	5174	345/156.cds.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 13:06
L29	45147	*715".clas.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 13:06
L30	302	((pen stylus) and (cordless or wireless)).ti.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 13:06

L31	42366	((pen stylus) and (cordless or wireless))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 13:06
L32	131907	((pen stylus handheld pointer) and (cordless or wireless))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 13:06
L33	101670	((pen stylus handheld pointer) and (cordless or wireless)) and signal	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 13:06
L34	82256	((pen stylus handheld pointer) and (cordless or wireless)) and signal and transmit\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 13:06
L35	37071	((pen stylus handheld pointer) and (cordless or wireless)) and signal and transmit\$4 and (write draw scroll)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 13:06
L36	13521	((pen stylus handheld pointer) and (cordless or wireless)) and signal and transmit\$4 and (write draw scroll) and (postion coord\$6)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 13:06
L37	300	L36 and L27	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 13:06
L39	2	"20050093830"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 13:06
L40	1	L39 and (encode code)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 13:06

L41	1	("7069586").PN.	US-PGPUB; USPAT	OR	OFF	2010/01/11 13:06
L42	3	("2005/0093830").URPN.	USPAT	OR	ON	2010/01/11 13:06
L43	6090	345/173.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 13:06
L44	889	345/174.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 13:06
L45	0	345/173+ .ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 13:06
L46	10009	345/17\$.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 13:06
L47	889	345/174.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 13:06
L48	699	345/175.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 13:06
L49	228	345/176.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 13:06
L50	356	345/177.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 13:06

L51	2118	345/179.cds.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 13:06
L52	344	L43 L44	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/01/11 13:06
L53	10009	L43 L44 L46 L47 L48 L49 L50 L51	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 13:06
L55	12	("5633691").URPN.	USPAT	OR	ON	2010/01/11 13:06
L57	0	"2003151596" and "5369227".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 13:06
L61	66699	wii	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 13:06
L62	111919	"345".clas.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 13:06
L64	6268	nintendo	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 13:06
L65	730	L62 and L64	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 13:06

L66	7079	345/179,156.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 13:06
L67	205	L66 and L65	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 13:06
L68	3709	nintendo.as.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 13:06
L69	25	L68 and L66	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 13:06
L70	2118	345/179.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 13:06
L71	5174	345/156.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 13:06
L72	45147	*715".clas.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 13:06
L73	302	((pen stylus) and (cordless or wireless)).ti.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 13:06
L74	42366	((pen stylus) and (cordless or wireless))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 13:06

L75	131907	((pen stylus handheld pointer) and (cordless or wireless))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 13:06
L76	101670	((pen stylus handheld pointer) and (cordless or wireless)) and signal	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 13:06
L77	82256	((pen stylus handheld pointer) and (cordless or wireless)) and signal and transmit\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 13:06
L78	37071	((pen stylus handheld pointer) and (cordless or wireless)) and signal and transmit\$4 and (write draw scroll)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 13:06
L79	13521	((pen stylus handheld pointer) and (cordless or wireless)) and signal and transmit\$4 and (write draw scroll) and (postion coord\$6)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 13:06
L80	300	L79 and L70	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 13:06
L82	2	"20050093830"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 13:06
L83	1	L82 and (encode code)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 13:06
L84	1	("7069586").PN.	US-PGPUB; USPAT	OR	OFF	2010/01/11 13:06
L85	3	("2005/0093830").URPN.	USPAT	OR	ON	2010/01/11 13:06

L86	6090	345/173.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 13:06
L87	889	345/174.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 13:06
L88	0	345/173+ .ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 13:06
L89	10009	345/17\$.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 13:06
L90	889	345/174.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 13:06
L91	699	345/175.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 13:06
L92	228	345/176.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 13:06
L93	356	345/177.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 13:06
L94	2118	345/179.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 13:06

L95	344	L86 L87	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/01/11 13:06
L96	10009	L86 L87 L89 L90 L91 L92 L93 L94	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 13:06
L98	12	("5633691").URPN.	USPAT	OR	ON	2010/01/11 13:06
L99	1	("20050093830").PN.	US-PGPUB; USPAT	OR	OFF	2010/01/11 13:06
L100	1	L99 and (position event)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 13:06
L101	1375	345/158.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 13:06
L102	85	L101 and encode and different	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 13:06
L103	11	L101 and (encode same different)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 13:06
L104	2118	345/179.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 13:06
L105	322	L104 and different same (encode\$3 code\$2)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 13:06

L108	3	("2005/0093830").URPN.	USPAT	OR	ON	2010/01/11 13:06
L109	2	"20050093830"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 13:06
L110	1	L109 and (conver\$3 same format\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 13:06
L111	111919	"345".clas.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 13:06
L112	4	L111 and (encode same signal\$2 same before same transmission) and (pointer pen stylus)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 13:06
L113	3	("2005/0093830").URPN.	USPAT	OR	ON	2010/01/11 13:06
L114	0	"715".clas. and (encode same signal\$2 same before same transmission) and (pointer pen stylus)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 13:06
L115	45147	"715".clas.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 13:06
L116	0	L115 and (encode same signal\$2 same before same transmission) and (pointer pen stylus)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 13:06
L117	1166	L115 and (encode same signal\$2) and (pointer pen stylus)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 13:06

L118	10128	L115 and (encode same signal\$2 same before s) and (pointer pen stylus)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 13:06
L119	5	L115 and (encode same signal\$2 same before) and (pointer pen stylus)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 13:06
L120	1	("7486823").PN.	US-PGPUB; USPAT	OR	OFF	2010/01/11 13:06
L121	73	("20010023896" "20010038383" "20010038711" "20010050308" "20020000981" "20020011989" "20020020750" "20020048404" "20020071488" "20020148655" "20020163510" "20020163511" "20030063045" "20030063072" "20040032393" "4742558" "4745269" "5051736" "5073966" "5073996" "5247137" "5288986" "5294792" "5365598" "5442147" "5448372" "5587558" "5612524" "5644652" "5652412" "5661506" "5686718" "5726435" "5817992" "5822465" "5825015" "5852434" "5855483" "5898166" "5902968" "5937110" "5960124" "6005973" "6044165" "6052481" "6076734" "6081261" "6098882" "6141014" "6208771" "6226636" "6243071" "6249614" "6278968" "6330976" "6479768" "6546136" "6577299" "6585154" "6665490" "6741746" "6744967" "6752317" "6870966" "7225402"). PN. OR ("7486823").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/11 13:06

L122	1350	345/158.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/11 13:06
L123	0	L122 and (encode same signal\$2 same before same transmission) and (pointer pen stylus)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 13:06
L124	370	L122 and (encode same signal\$2 same before s) and (pointer pen stylus)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 13:06
L125	0	L122 and (encode same signal\$2 same before) and (pointer pen stylus) and triangula\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 13:06
L126	0	L122 and (encode same signal\$2 same before)and triangula\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 13:06
L127	0	L122 and (encode same signal\$2 same before)and triangula\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 13:06
L128	0	L122 and (encode same signal\$2 same before) and triangula\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 13:06
L129	10	L122 and (encode same signal\$2) and triangula\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 13:06
L130	92	L122 and (pen stylus pointer) and triangula\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 13:06

L131	480	L122 and ((pen stylus pointer same triangula\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 13:06
L132	17	L122 and ((pen stylus pointer) same triangula\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 13:06
L133	1	("5,367,614").PN.	US-PGPUB; USPAT	OR	OFF	2010/01/11 13:06
L134	28	("5367614").URPN.	USPAT	OR	ON	2010/01/11 13:06
L136	25	L111 and ((pen stylus pointer) same triangula\$3) and (ultrasonic ultrasound) and (different same encod \$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 13:06
L137	5	("2001/0050677").URPN.	USPAT	OR	ON	2010/01/11 13:06
L138	49	"715".clas. and (random adj3 (wallpaper color block))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 13:06
L139	0	("2008/0040688").URPN.	USPAT	OR	ON	2010/01/11 13:06
L140	0	"715".clas. and (random adj3 (wallpaper))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 13:06
L141	0	"715".clas. and (random adj3 (wall adj paper))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 13:06
L142	0	"715".clas. and (random same ("wall paper"))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 13:06

L143	59	"715".clas. and (wall adj paper)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 13:06
L144	25	"715".clas. and (wall adj paper) and random	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 13:06
L145	0	"715".clas. and (wall adj paper) same random	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 13:06

EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L4	44	(wireless pointer code transmit\$4 signal).clm.	USPAT; UPAD	AND	ON	2010/01/11 13:01
L5	17	(wireless pointer code transmit\$4 signal differ \$5).clm.	USPAT; UPAD	AND	ON	2010/01/11 13:01
L6	2	(wireless pointer code transmit\$4 signal differ \$5 operation).clm.	USPAT; UPAD	AND	ON	2010/01/11 13:01
L7	56078	"345".clas.	USPAT; UPAD	AND	ON	2010/01/11 13:02
L8	9	4 and 7	USPAT; UPAD	AND	ON	2010/01/11 13:02
L9	26008	"715".clas.	USPAT; UPAD	AND	ON	2010/01/11 13:02
L10	77333	7 or 9	USPAT; UPAD	AND	ON	2010/01/11 13:02
L11	12	10 and 4	USPAT; UPAD	AND	ON	2010/01/11 13:02
L12	2	10 and 5	USPAT; UPAD	AND	ON	2010/01/11 13:05

1/ 11/ 2010 1:24:10 PM

C:\Documents and Settings\Hshih\My Documents\EAST\Workspaces\10697672 handheld pointer.wsp